

RECEIVED
CENTRAL FAX CENTER

OFFICIAL

AUG 18 2004

PTO/SB/21 (02-04)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/756,943	
	Filing Date	January 14, 2004	
	First Named Inventor	GORDON T. RIVERS, et al.	
	Art Unit	1724	
	Examiner Name	PETER A. HRUSKOCI	
Total Number of Pages in This Submission	5	Attorney Docket Number	194-23264-USD

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Only the "Amendments to the Claims" section is being re-submitted (4 pages) to comply with 37 CFR 1.121. The status of claims 1-10 was previously inadvertently omitted and is now included. This submission is in response to the Notice of Non-Compliant Amendment dated August 3, 2004, prepared by Legal Instruments Examiner Gail Butler.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	David L. Mossman
Signature	<i>David L. Mossman</i>
Date	August 18, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	David L. Mossman	
Signature	<i>David L. Mossman</i>	Date August 18, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Amendments to the Claims

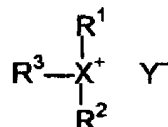
1-10. (cancelled)

1 11. (currently amended): An aqueous solution comprising:
2 water;
3 at least one onium compound; and
4 at least one additive selected from the group consisting of carboxylic acids,
5 sulfonic acids, organophosphonic acids, phenolic compounds, ether
6 sulfates, phosphoric acid esters, sulfonated fatty acids, sulfated fatty
7 acids, oligocarboxylic acids, and mixtures thereof, and alkali metal
8 salts of these compounds and amine salts of these compounds ;
9 where the onium compound partitions into a non-aqueous phase, and where an
10 amount of the additive is sufficient to reduce toxicity of the aqueous solution as
11 compared with an identical aqueous solution having an absence of the additive.

12. (cancelled)

13. (original): The aqueous solution of claim 11 where the additive is selected from the group consisting of carboxylic acids, sulfonic acids, and mixtures thereof, alkali metal salts of these compounds and amine salts of these compounds.

1 14. (currently amended): The aqueous solution of claim 11 wherein the
2 onium compound has a structure of the following formula having a cation and an
3 anion Y⁻:

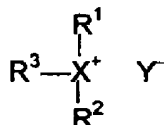


9 wherein R^1 and R^2 each are independently selected from normal or branched
 10 alkyls containing a chain of at least 4 carbon atoms, with or without
 11 one or more substituents, or one or more heteroatoms;
 12 R^3 is an organic moiety containing a chain of at least 4 carbon atoms,
 13 with or without one or more substituents, or one or more heteroatoms;
 14 X is S, N— R^4 or P— R^4 ;
 15 R^4 , if present, is selected from H or an alkyl, aryl, alkylaryl, alkenylaryl or
 16 alkenyl group, preferably these having from about 1 to about 20
 17 carbon atoms, with or without one or more substituents, or one or
 18 more heteroatoms; and
 19 Y^- is selected from the group consisting of hydroxide ion (OH^-), halide
 20 ions, carboxylate ions, sulfate ion, organic sulfonate ions, and
 21 mixtures thereof.

15. (currently amended): The aqueous solution of claim 11 wherein the effective amount of the additive ranges from about 10:1 to about 1:10 in weight ratio with the onium compound.

16. (original): The aqueous solution of claim 11 further comprises a separately added non-aqueous phase.

1 17. (currently amended): An aqueous solution comprising:
 2 water;
 3 a non-aqueous phase;
 4 at least one onium compound having a structure of the following formula
 5 having a cation and an anion Y^- :



11 wherein R^1 and R^2 each are independently selected from normal or
12 branched alkyls containing a chain of at least 4 carbon
13 atoms, with or without one or more substituents, or one
14 or more heteroatoms;
15 R^3 is an organic moiety containing a chain of at least 4
16 carbon atoms, with or without one or more substituents,
17 or one or more heteroatoms;
18 X is S, N— R^4 or P— R^4 ;
19 R^4 , if present, is selected from H or an alkyl, aryl, alkylaryl,
20 alkenylaryl or alkenyl group, preferably those having
21 from about 1 to about 20 carbon atoms, with or without
22 one or more substituents, or one or more heteroatoms;
23 and
24 Y⁻ is selected from the group consisting of hydroxide ion
25 (OH⁻), halide ions, carboxylate ions, sulfate ion, organic
26 sulfonate ions, and mixtures thereof; and
27 at least one additive selected from the group consisting of
28 carboxylic acids, sulfonic acids, organophosphonic
29 acids, phenolic compounds, ether sulfates, phosphoric
30 acid esters, sulfonated fatty acids, sulfated fatty acids,
31 oligocarboxylic acids, and mixtures thereof, and alkali
32 metal salts of these compounds and amine salts of
33 these compounds,
34 where the treated onium compound partitions into the non-aqueous phase, and
35 where the an amount of the additive is sufficient to reduce the toxicity of the
36 aqueous solution as compared with an identical aqueous solution having an
37 absence of the additive.

18. (currently amended): The aqueous solution of claim 17 wherein the effective amount of the additive ranges from about 10:1 to about 1:10 in weight ratio with the onium compound.

19. (original): The aqueous solution of claim 17 wherein the additive is selected from the group consisting of carboxylic acids, sulfonic acids, and mixtures thereof, alkali metal salts of these compounds and amine salts of these compounds.